

Water-Data Report 2008

404636074024701 Local number 170016- MW147

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Hudson County, NJ

LOCATION.--Lat 40°46'36", long 74°02'47" referenced to North American Datum of 1983, North Bergen Township, Hudson County, NJ, Hydrologic Unit 02030103.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 24 ft. Upper casing diameter 2 in; top of first opening 14 ft, bottom of last opening 24 ft.

DATUM.--Land-surface datum is 19 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 5. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity white light, Barometric pressure, NTRU	Disolved oxygen, percent of saturation	pH, water, unfiltrd field, std units	Specifc conductance, $\mu\text{S}/\text{cm}$	Temperature, water, deg C	Hardness, water, mg/L as CaCO ₃	Calcium water, filtrd, mg/L
	LSD (72019)	(00059)	Flow period prior to sampling, minutes	Barometric pressure, mm Hg	Disolved oxygen, mg/L	(00300)	(00400)	(00095)	(00010)	(00900)
Aug 04...	1335	8.62	.16	60	1.1	758	.1	1	6.8	1,640
										16.6
										770
										253

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated.]

Date	Magnesium, water, filtrd, mg/L (00925)	Potassium, water, filtrd, mg/L (00935)	Sodium, water, filtrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO ₃ (90410)	Alkalinity, wat flt inf tit field, titr., mg/L as CaCO ₃ (39086)	Bicarbonate, wat flt infl pt titr., mg/L (00453)	Chloride, water, field, mg/L (00940)	Fluoride, water, filtrd, mg/L (00950)	Silica, water, filtrd, mg/L as SiO ₂ (00955)	Sulfate, water, filtrd, mg/L as (00945)	Residue water, filtrd, sum of constituents, mg/L (70301)	Residue water, evap. at 180degC, mg/L (70300)	Ammonia + org-N, water, filtrd, mg/L as N (00623)
Aug 04...	33.6	11.5	52.6	838	789	960	57.9	.41	25.0	40.4	E963	1,030	7.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 3 of 13
 [Remark codes: <, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, µg/L (01106)	Anti-mony, water, fltrd, µg/L (01095)	Arsenic water, fltrd, µg/L (01000)	Barium, water, fltrd, µg/L (01005)	Beryll- ium, water, fltrd, µg/L (01010)	Boron, water, fltrd, µg/L (01020)	Cadmium, water, fltrd, µg/L (01025)	Chrom- ium, water, fltrd, µg/L (01030)
Aug 04...	6.34	<.04	E.001	.791	13.0	E3.5	E.13	.65	306	.02	248	<.04	1.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 4 of 13
 [Remark codes: <, less than; E, estimated.]

Date	Copper, water, fltrd, µg/L (01040)	Iron, water, fltrd, µg/L (01046)	Lead, water, fltrd, µg/L (01049)	Manganese, water, fltrd, µg/L (01056)	Mercury, water, fltrd, µg/L (71890)	Nickel, water, fltrd, µg/L (01065)	Selenium, water, fltrd, µg/L (01145)	Silver, water, fltrd, µg/L (01075)	Thallium, water, fltrd, µg/L (01057)	Zinc, water, fltrd, µg/L (01090)	1-Naphthol, water, fltrd, 0.7u GF (49295)	2,6-Diethyl-aniline, water, fltrd, 0.7u GF (82660)	2-Chloro-2',6'-diethyl-aniline, water, µg/L (61618)
Aug 04...	<1.0	625	<.08	4,720	<.010	.93	.12	<.1	<.04	<1.8	<.04	<.006	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
 Part 5 of 13
 [Remark codes: <, less than; E, estimated.]

Date	2-Ethyl -6-methyl CIAT, water, fltrd, µg/L (04040)	3,4-Di-chloro-aniline, water, fltrd, µg/L (61620)	3,5-Di-chloro-aniline, water, fltrd, µg/L (61625)	4-Chloro-2methyl phenol, water, fltrd, µg/L (61627)	Aceto-chlor, water, fltrd, µg/L (61633)	Alpha-Endochlor, water, fltrd, µg/L (49260)	Ala-chlor, water, fltrd, µg/L (46342)	Endo-sulfan, water, fltrd, µg/L (34362)	Atrazine, water, fltrd, µg/L (39632)	Axon, water, fltrd, µg/L (61635)	Azinophos-methyl, water, fltrd, µg/L (82686)	Azinophos-methyl, water, fltrd, µg/L (82673)	Benzofuran, water, fltrd, µg/L (82680)
Aug 04...	<.014	<.010	<.006	<.008	<.005	<.006	<.010	<.006	<.007	<.04	<.120	<.010	<.060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

[Remark codes: <, less than; E, estimated.]

Date	Carbo-furan, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos oxon, water, fltrd, 0.7u GF μg/L (82674)	Chlor-pyrifos water, fltrd, 0.7u GF μg/L (82687)	cis-Per-methrin methrin water 0.7u GF μg/L (79846)	cis-Propi-conazole, water, fltrd, 0.7u GF μg/L (79846)	Cyana-zine, water, fltrd, 0.7u GF μg/L (04041)	Cyflu-thrin, water, fltrd, 0.7u GF μg/L (61585)	Iambda-thrin, water, fltrd, 0.7u GF μg/L (61595)	Cyhalo-thrin, water, fltrd, 0.7u GF μg/L (61586)	Cyper-methrin water, fltrd, 0.7u GF μg/L (82682)	DCPA, water, fltrd, 0.7u GF μg/L (62170)	Desulf-inyl-fipro-nil, water, fltrd, μg/L (39572)	Diazi-non, water, fltrd, μg/L (38454)
Aug 04...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.010	<.014	<.003	<.012	<.005	<.08

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 7 of 13

[Remark codes: <, less than; E, estimated.]

Date	Diel-drin, water, fltrd, 0.7u GF μg/L (39381)	Dimeth-oate, water, fltrd, 0.7u GF μg/L (82662)	Disulf-ton sulfone water, fltrd, 0.7u GF μg/L (61640)	Disulf-ton, water, fltrd, 0.7u GF μg/L (82677)	Endo-sulfan sulfate water, fltrd, 0.7u GF μg/L (61590)	EPTC, water, fltrd, 0.7u GF μg/L (82668)	Ethion monoxon water, fltrd, 0.7u GF μg/L (61644)	Ethion, water, fltrd, 0.7u GF μg/L (82346)	Etho-prop, water, fltrd, 0.7u GF μg/L (82672)	Fenami-phos sulfone water, fltrd, 0.7u GF μg/L (61645)	Fenami-phos sulfide water, fltrd, 0.7u GF μg/L (61591)	Desulf-inyl-fipro-nil water, fltrd, μg/L (62169)	
Aug 04...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

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[Remark codes: <, less than; E, estimated.]

Date	Fipro-nil sulfide water, fltrd, 0.7u GF μg/L (62167)	Fipro-nil sulfone water, fltrd, 0.7u GF μg/L (62168)	Fipro-nil water, fltrd, 0.7u GF μg/L (62166)	Fonofos water, fltrd, 0.7u GF μg/L (04095)	Hexa-zinone, water, fltrd, 0.7u GF μg/L (04025)	Ipro-dione, water, fltrd, 0.7u GF μg/L (61593)	Isofen-phos water, fltrd, 0.7u GF μg/L (61594)	Mala-oxon, water, fltrd, 0.7u GF μg/L (61652)	Mala-thion, water, fltrd, 0.7u GF μg/L (39532)	Meta-laxyl, water, fltrd, 0.7u GF μg/L (61596)	Methid-athion, water, fltrd, 0.7u GF μg/L (61598)	Methyl-paraoxon, water, fltrd, 0.7u GF μg/L (61664)	
Aug 04...	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

[Remark codes: <, less than; E, estimated.]

Date	Metola-	Metri-	Moli-	Oxy-	Pendi-	meth-	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-
	chlor,	buzin,	nate,	fluor-	alin,								
	water,	water,	water,	fen,	water,								
	filtrd,	filtrd,	0.7u GF	filtrd,	filtrd,	0.7u GF	filtrd,	0.7u GF	filtrd,	filtrd,	filtrd,	filtrd,	filtrd,
	μg/L												
	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)	(61601)	(04037)	(04036)	(82676)
Aug 04...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.05	<.008	<.01	<.006	<.004

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

[Remark codes: <, less than; E, estimated.]

Date	Pro-	Propar-	Sima-	Tebu-	Ter-	Thio-	trans-	Tri-	1,1,1-				
	panil,	gite,	zine,	thiuron	bufos	terbu-	bencarb	Propi-	flur-	chloro-			
	water,	water,	water,	water,	oxon	fos,	azine,	cone	al, unfltrd	ethane,			
	filtrd	filtrd	filtrd	filtrd	sulfone	water,	water,	water,	water,	water,			
	0.7u GF	0.7u GF	0.7u GF	0.7u GF	water,	filtrd	filtrd	filtrd	filtrd	filtrd			
	μg/L	μg/L											
	(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	(79847)			
	(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(82675)	(04022)	(82681)	(79847)	(61610)	(82661)	(34506)
Aug 04...	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated.]

Date	CFC-113	1,1-Di-	1,1-Di-	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Bromo-	Tri-	cis-		
	water,	chloro-	di-	bromo-	Chloro-	1,2-Di-							
	unfltrd	ethane,	ethene,	benzene	ethane,	propane	benzene	benzene	chloro-	methane	benzene	chloro-	
	unfltrd	water,	chloro-	water,	water,	chloro-							
	unfltrd	chloro-	unfltrd	unfltrd	chloro-								
	μg/L												
	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)	(34301)	
	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)	(34301)	
Aug 04...	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

[Remark codes: <, less than; E, estimated.]

Date	Di-bromo-	Di-chloro-	Di-chloro-	Di-ethyl	Diisopropyl	Ethyl-ether,	tert-pentyl	meta-+ para-	o-Xylene,	Styrene	t-Butyl	Methyl	Tetra-
	chloro-methane water, unfltrd	chloro-fluoro-methane wat unf	chloro-methane water, unfltrd	ether, unfltrd	benzene water, unfltrd	water, unfltrd	ether, unfltrd	water, unfltrd	water, unfltrd	water, unfltrd	ether, unfltrd	butyl ether, unfltrd	chloro-ethene, water, unfltrd
Aug 04...	μg/L (32105)	μg/L (34668)	μg/L (34423)	μg/L (81576)	μg/L (81577)	μg/L (34371)	μg/L (50005)	μg/L (85795)	μg/L (77135)	μg/L (77128)	μg/L (50004)	μg/L (78032)	μg/L (34475)

Aug 04...	<.2	<.2	<.2	.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.1
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WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

[Remark codes: <, less than; E, estimated.]

Date	trans-1,2-Di-chloro-		Tri-chloro-	Tri-chloro-	Vinyl	Di-chlor-	Alpha	Alpha	Beta	Beta		
	Tetra-chloro-methane water, unfltrd	Toluene water, unfltrd	chloro-ethene, unfltrd	fluoro-ethene, unfltrd	methane water, unfltrd	chloride, unfltrd	chlorvos, water, unfltrd	radioac 30 day, Th-230, pCi/L (62639)	radioac 72 hr, Th-230, pCi/L (62636)	radioac 30 day, Cs-137, pCi/L (62645)	radioac 72 hr, Cs-137, pCi/L (62642)	
Aug 04...	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.01	8	10	13.0	14.0